

AVRAMOVICI, S.

ROMANIA/Organic Chemistry. Synthetic Organic Chemistry.

3-2

Abs Jour: Referat Zhur-Knimiya, No 4, 1958, 11355.

Author : Avramovici, S.

Inst : Iasi University

Title : Thiosemicarbazones and Products of Their Cyclization.

Orig Pub: Anuar Stiint Univ Iasi, Sec I, 1, No 1-2, 315-319 (1955)
(in Rumanian with summaries in French and Russian)

Abstract: The condensation of thiosemicarbazine (I) with chloro-
acetone (II) and of phenylthiosemicarbazine (III) with
 ω -bromoacetophenone (IV) gives the hydrochloride of
2-amino-5-methyl-1,3,4-thiadiazole (V) and the hydro-
bromide of 2-phenylamino-5-phenyl-1,3,4-thiadiazole
(VI); the latter two compounds are the normal products
of the cyclization of the corresponding thiosemicarba-

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~ ROMANIA/Organic Chemistry. Synthetic Organic Chemistry.

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Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11355.

namely the thiosemicarbazone of VII is obtained in
yields of 50%, mp 178-179° (from alcohol + benzene).

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ROMANIA / Organic Chemistry. Synthesis.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8573.

Author : Gheorghiu, C. V., Avramovici, S.

Inst : Iasi University.

Title : Thiosemicarbazones, Semicarbazones and Products of Their Ring-closure. II. The Action of Monochloroacetic Acid on Some Thiosemicarbazones and Semicarbazones.

Orig Pub: An stint. Univ. Iasi., 1956, Sec. 1, 2, No 1-2, 263-270.

Abstract: With the view of preparing heterocyclic compounds, a study was made of the action of ClCH_2CCOH (I) on thiosemicarbazones (TSC) and semicarbazones (SC), and also the possibility was investigated of the ring-closure of delta-phenyl-semicarbazones (PSC) of some halo-ketones. To 1.9 g

Card 1/4

RUMANIA / Organic Chemistry. Synthesis.

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Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8373.

Abstract: $C_6H_5NHCONHNH_2 \cdot HCl$ in 40 ml water, was added 1 ml $ClCH_2COCH_3$, PSC separated, yield 86.2% (crude), MP 165-166° (from alcohol). Analogously (in aqueous alcohol solution) were prepared other PSC /listing initial ketone, yield of crude PSC in %, MP in °C (from alcohol): $ClCH_2COCH_2Cl$, 85, 175; $C_6H_5COCH_2Br$ (II), quantitative, 181-182°. On heating with aqueous solution of KOH the above-listed PSC undergo no ring closure but a saponification with formation of $C_6H_5NHCONHNH_2$. To 2 g TSC of furfural in 80 ml alcohol were added 2 g I and 2 g CH_3COONa , boiled 1 hour, after 24 hours separation took place of 2-furfurylidene-hydrazino-thiazolinone-4, yield 90% (crude), MP 235-236° (from pyridine). Under analogous conditions

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RUMANIA / Organic Chemistry. Synthesis.

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Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8373.

Abstract: V does not form IV with semicarbazide. SC of $C_6H_5CCCH_3$ and of furfurel do not react with I.
Preceding communication see RZhKhim, 1958, 11355. --- S. Zav'yakov.

Card 4/4

RUB. NL. / Organic Chemistry. Organic Synthesis. G-2

Abstr Jour: Ref Zhur-Khimiya, No 10, 1959, 34929.

Author : Gheorghiu, C., Avramovici, S.

Inst : Not given.

Title : Thiosomicarbazones and Products of Their Cyclization.

Orig Pub: Anst. Univ. Iasi. Soc. I., 1957, 3, No 1-2
381-391.

Abstract: By the usual method were synthesized thiosomicarbazones of the unsaturated ketones, NH_2
 $\text{CSNHN} :: \text{C}(\text{R})\text{CH} = \text{CHR}'$ (Ia-j), wherein a)
 $\text{R} = \text{CH}_3$, $\text{R}' = 2\text{-HOC}_6\text{H}_4$; b) $\text{R} = \text{CH}_3$,
 $\text{R}' = 3,4\text{-OCH}_2\text{OC}_6\text{H}_3$; c) $\text{R} = \text{C}_2\text{H}_5$,
 $\text{R}' = 3,4\text{-OCH}_2\text{OC}_6\text{H}_3$; d) $\text{R} = \text{iso-C}_4\text{H}_9$,
 $\text{R}' = 3,4\text{-OCH}_2\text{OC}_6\text{H}_3$; e) $\text{R} = \text{CH}_3$, $\text{R}' = 4\text{-(CH}_3)_2\text{NC}_6\text{H}_4$;
f) $\text{R} = \text{C}_6\text{H}_5$, $\text{R}' = 2\text{-NO}_2\text{C}_6\text{H}_4$; g) $\text{R} = \text{C}_2\text{H}_5$, $\text{R}' = 4\text{-(CH}_3)_2$

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RUMANI. / Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34929.

Abstract: NC_6H_4 ; l) $\text{R} = \text{CH}_3$, $\text{R}' = 4\text{-CH}_3\text{O C}_6\text{H}_4$; 1)

$\text{R} = \text{R}' = \text{C}_6\text{H}_5$; j) $\text{R} = 4\text{-CH}_3\text{C}_6\text{H}_4$, $\text{R}' = 2\text{-NO}_2\text{C}_6\text{H}_4$.

Substances Ia - Io are converted by boiling with CH_2ClCOOH in alcohol and in the presence of CH_3COONa into the corresponding 2-hydrazinothiazol-
inones-4 $\text{SCH}_2\text{CON} = \text{CNHN} = \text{C(R)CH} = \text{CHR}'$ (IIa-f) with yields ranging from 30-69%. Several of
IIa-f have phototropic and thermochromic properties. Presented below are melting points in $^\circ\text{C}$
(from alc.) of I and II: Ia, 185; b, 195-196; c, 169-170; d, 128-130; e, 195-196; f, 192-193; g, 174-175; h, 180-190; i, 204; j, 214-215; IIa, 227; b, 232-233 (from benz.); c, 222-223 (from dioxane); d, 184-185 (from dioxane); e, 214-215; f, 200. For Part II see Ref Zhur-Khimiya, 1959, 9373. -- D. Vitkovskiy.

Card 2/2

AYRANOVICI, S.; GABE, I.; ZUGRAVESCU, I.

Ketolino-3-oxazolidinedione-(2,4) and 4-oxazoline-2-hydrazone
of some nonsaturated ketones. Annal St Jassy 1 10 no.2:165-171
'64.

1. Laboratory of Organic Chemistry, "M. I. Poni" University.

HERBERT, M.

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AVRAPETOVA, Z.I., inzh.

Use of the primary current of an exterior power source for
checking current protection networks. Elek. sta. 31
no.8:86-87 Ag '60. (MLRA 14:9)
(Electric power distribution--High tension)
(Electric protection)

AVRASHKOV, S.N., inzh.

Cutting down technical documentation. Sudostroenie 25 no.12:
46-47 D '59. (MIRA 13:4)
(Naval architecture--specifications)

AVRASHOV, A.S.; KRYLOV, A.Ya.; SILIN, Yu.I.

New data on the age of granitoid intrusives in the central
Pamirs. Dokl. AN SSSR 153 no.5:1136-1139 D '63.
(MIRA 17:1)

1. Predstavleno akademikom D.I. Shcherbakovym.

AVRASIN, T.; FLEYSHER, Ys.

Let's improve the organization of marketing research. Sov.torg
34 no.3:12-16 Mr '61. (MIA 14:2)

(Marketing research)

AVRASIN, Ya.D., kand. tekhn. nauk; RUDOY, B.I., inzh.

Reviews and bibliography. Khim. i nef. mashinostr. no.9:42-43
S '65. (MIRA 18:10)

AVKHOV, Y.

1

The formation of cyanides in the blast furnace process
1. Adamovich and Ya. Avrasim. *Nal J*, No. 9, 62, 1
(1963).--The cyanogen content in the out-going gases is
increased by increasing the coke ratio, temp. and pres-
sure, by decreasing the O₂ content, and by maintaining
a basic slag. The presence of Cl decreases cyanide forma-
tion. H. W. Rathmann

ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION

147007

CA
AVRASIN, Y.S.

TEST AND PROPERTIES INDEX

1ST AND 2ND EDITS

3RD AND 4TH EDITS

Bakelite as a new adhesive material. A. V. Rakovskii and Ya. D. Avasin. *Izvestiya. Nauch.-Issledovatel. Inst. Aviatstsion. Material. Informatsion. Seriya No. 8, 4* 18(1935).—Unleaded paper, not over 0.04 mm. thick, was treated with a lacquer contg. 4-6% rosin, 2-3% tech. castor oil and 10-30% Bakelite resin. The dried films can be used to make airplane veneers with strong water-tight bonds. The process of cementing is considerably simplified. For birch veneers (3-8 mm.), good results are obtained by applying a pressure of 20 kg./sq. cm. at 140-145° for 7-10 min. Such metals as Cu, Al and Elektron can be joined to wood by this method. H. Z. Kanich

AS-514 METALLURGICAL LITERATURE CLASSIFICATION

1930-1939

1940-1949

1950-1959

1960-1969

1970-1979

1980-1989

1990-1999

2000-2009

2010-2019

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AVRASIN, Ya. D., Eng. Cand. Tech. Sci.

Dissertation: "Investigation of the Effect of Resol Resin on the Mechanical Properties of Delta-Wood." All-Union Sci Res Inst of Aviation Materials--VIAM, 30 Jul 47.

SO: Vechernyaya Moskva, Jul, 1947 (Project #17836)

AVRASIN, Ya. D.

USSR/Chemistry - Phenolic Plastics

FD 168

Card 1/1

Author : Avrasin, Ya. D., Cand Tech Sci, and Ivanov, N. V.

Title : The effect of some factors of the technological process of textolite production on the physical and mechanical properties of this product.

Periodical : Khim. prom. 3, 21-24 (149-152), April-May 1954

Abstract : Describe investigation on the effect of the resin content on the physical and mechanical properties of textolite. Conclude that a resin content of 50-55% is best. Illustrated by 3 graphs and 2 charts. 4 USSR references and 2 foreign references are appended.

AVRASIN, Ya.D., kandidat tekhnicheskikh nauk; BERO, P.P., professor, doktor tekhnicheskikh nauk, BERNSHTEYN, M.L., kandidat tekhnicheskikh nauk; GENEROZOV, P.A., starshiy nauchnyy sotrudnik; GLINER, B.M., inzhener; DAVIDOVSKAYA, Ye.A., kandidat tekhnicheskikh nauk; YMLCHIN, P.M., inzhener; YEREMIN, N.I., kandidat fiziko-matematicheskikh nauk; IVANOV, D.P., kandidat tekhnicheskikh nauk; YNOROZ, L.I., inzhener; KOBRIN, M.M., kandidat tekhnicheskikh nauk; KORITSKIY, V.G., dotsent; KROTKOV, D.V., inzhener; KUDRYAVTSEV, I.V., professor, doktor tekhnicheskikh nauk; KULIKOV, I.V., kandidat tekhnicheskikh nauk; LEPETOV, V.A., kandidat tekhnicheskikh nauk; LIKINA, A.F., inzhener; MATVEYEV, A.S., kandidat tekhnicheskikh nauk; MIL'MAN, B.S., kandidat tekhnicheskikh nauk; PAVLUSHKIN, N.M., kandidat tekhnicheskikh nauk; PTITSYN, V.I., inzhener [deceased]; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk, RAKHSHTADT, A.G., kandidat tekhnicheskikh nauk; RYABCHENKOV, A.V., professor, doktor khimicheskikh nauk; SIGOLAYEV, S.Ya., kandidat tekhnicheskikh nauk; SMIRYAGIN, A.P., kandidat tekhnicheskikh nauk, SUL'KIN, A.G., inzhener; TUTOV, I.Ye., kandidat tekhnicheskikh nauk, KHRUSHCHOV, M.M., professor, doktor tekhnicheskikh nauk; TSYPIN, I.O., kandidat tekhnicheskikh nauk; SHAROV, M.Ya., inzhener; SHERMAN, Ya.I., dotsent; SHMELEV, B.A., kandidat tekhnicheskikh nauk; YUGANOVA, S.A., kandidat fiziko-matematicheskikh nauk; SATEL', E.A., doktor tekhnicheskikh nauk, redaktor; SOKOLOVA, T.F., tekhnicheskii redaktor

[Machine builder's reference book] Spravochnik mashinostroitel'ia; v shesti tomakh. izd-vo mashinostroit. lit-ry. Vol.6. (Glav. red.toma E.A.Satel'. Izd. 2-oe, ispr. i dop.) 1956. 500 p. (MLRA 9:8)
(Machinery--Construction)

AVRASIN, Ya. D.

b. A. Kiselev, Z. A. Zinov'yeva, Ya. D. Avrasin and I. V. Davydov, "Obtaining a Hydrophobic Glass-textolite based on Polyester Binders."

Report presented at the Second All-Union Conference on the Chemistry and Practical Application of Silicon-Organic Compounds held in Leningrad from 25-27 September 1958.

Zhurnal prikladnoy khimii, 1959, Nr 1, pp 23'-240 (USSR)

15.8510

24831

S/C81/61/000/011/039/040
B110/B201

AUTHORS: Rabinovich, A. L., Avrasin, Ya. D.

TITLE: Mechanical characteristics of some laminated plastics in connection with the strength of screw and rivet joints

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 576-577, abstract 11П58 (11P58)(Sb. Steklotekstolity i drugiye konstrukts. plastiki, M. Oborongiz, 1960, 78-107)

TEXT: A study has been made of the strength of lamellar delta cellulose and of the glass-reinforced plastics KACT-B (KAST-V) and CBAM (SVAM) with regard to the working conditions of screw and rivet joints. The values of the coefficients of stress concentrations and strength limits were determined with cutting and contortion. It was shown that the use of a binding agent with increased brittleness leads to a rise of the coefficient of stress concentrations. Optimum ratios were found between rivet diameter (duralumin) and foil thickness of the material. It is believed that the riveting of laminated plastics with standard rivets can be performed by ordinary technological procedures without using any special

Card 1/2

24831

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B110/B201

Mechanical characteristics of some ...

instruments. It is, however, advisable that complementary studies be conducted on the most convenient rivet shape to prevent the rivets from tearing loose out of their holes. The optimum main parameters of the joints can be determined from the requirement of equal strength. As to the determination of the pitch of the rivets, the authors recommend to proceed from the destruction diagram. [Abstracter's note: Complete translation.]

Card 2/2

15.8450

S/191/60/000/001/003/015
B016/B054

AUTHORS: Avrasin, Ya. D., Prigoreva, A. I.

TITLE: Some Data of Glass-reinforced Plastics on the Basis of Polyester Acrylates

PERIODICAL: *Plasticheskiye massy*, 1960, No. 1, pp. 13-21

TEXT: The authors report on binding agents for glass-reinforced plastics which they had developed on the basis of polyester acrylates. As to the formula of these binders and the molding conditions for glass textolite (GTL), they present the results of their experiments concerning the stability of two-layered GTL as dependent on the content of polyesters No. 3 (TGM-3, TGM-3) and No. 9 (MGE-9, MGF-9) in a 399EC (39EBS) binder developed by the authors. Besides, it contains a preliminary styrene polymer with 1% dissolved benzoyl peroxide. Polyesters No. 3 and No. 9 are esterification products of glycols and glycerin with phthalic and sebacic acid, as well as with methacrylic acid. Fig. 1 shows that with an increase in the content of polyester No. 9 in the binder the stability

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Some Data of Glass-reinforced Plastics on
the Basis of Polyester Acrylates

S/191/60/000/001/003/015
B016/B054

increases. It is recommended to use a sirupy solution of styrene block polymer in styrene monomer instead of the preliminary styrene polymer. The most favorable sirup concentration was found to be 20 - 25%, at which maximum stability of GTL was attained (Fig. 2). Fig. 4 shows test results with polyesters No. 11 (TMF-11, TMGF-11) and No. 9 as components of the 911MC (911MS) binder developed by the authors. Stability decreases with an increasing amount of No. 11. Optimum conditions are attained at a ratio of No. 3 : No. 9 and No. 9 : No. 11 = 1 : 1. Among all polyesters, No. 11 brings the maximum heat resistance (Fig. 5). From the data of Table 2, the authors conclude that the heat resistance of GTL decreases by about 10°C with an increase in the content of styrene monomer in 911MS from 5 to 10%. They give recommendations as to the working temperature, the molding procedure, and the subsequent heat treatment. An addition of an organosilicon admixture MTЭC (MTES) (developed by A. K. Dobagova under the supervision of K. A. Andrianov) exerts a double effect: heat resistance and some mechanical properties are improved (Table 3). The binders AC-50 (DS-50), AC-65 (DS-65), and AC-70 (DS-70) developed by the authors in 1954 (on the basis of diglycol maleinate resins of D. A. Kardashev and L. I. Norina) sometimes showed better properties with the use of polyester acrylates

Card 2/3

85145

S/19/60/000/007/008/015
B004/B056

15.8340

AUTHORS: Avrasin, Ya. D., Korolev, A. Ya., Mindlin, Ya. I.,
Drogaleva, I. V., Prigoreva, A. I.

TITLE: Effect of the Chemical Treatment of the Surface of Glass
Fabric Upon the Properties of Glass Textolite ✓

PERIODICAL: Plasticheskiye massy, 1960, No. 7, pp. 31 - 35

TEXT: It was the aim of the present work to improve the resistance
to water of glass-reinforced plastics such as are used in aircraft ✓
construction and shipbuilding. A better binding between glass fiber
and resin is attempted to be attained by treating the glass fiber with
organo-silicon substances. Two sorts of glass textolite were examined:
The type ФБ-25 (FB-25) from alkali-free aluminoborosilicate glass ✓
and СБ-1 (SBS-1) phenolformaldehyde-resol resin, and type 911-1 made of
the same glass and polyacryl ester resin. The glass fabric was oiled
with a paraffin lubricant of the type ACII (d)-7 (A STT(b)-T) which was
removed by means of CCl₄. Glass fabric for the production of FB-25 was

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Effect of the Chemical Treatment of the
Surface of Glass Fabric Upon the
Properties of Glass Textolite

8511
S/191/60/000/007/008/015
B004/B056

Table 1. Strength of FB-25 with treated glass fabric in static bending

Lubricant	Treatment	Bending strength limit [kg/cm ²]		Percentage
		dry	boiled	of resin
not elimi- nated	no one	2400-2685	1190-1440	29.2
eliminated	no one	2830-2990	1285-1555	31.3
eliminated	with MR	2120-2490	1845-1895	29.7
eliminated	with MG	1815-2130	1550-1675	30.4
eliminated	with FR	1980-2066	1640-2080	31.2
eliminated	with FA	2055-2340	1495-2120	31.2

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85145

Effect of the Chemical Treatment of
the Surface of Glass Fabric Upon the
Properties of Glass Textolite

S/191/60/000/007/008/015
B004/B056

Table 2. Physico-Mechanical Properties of F-25 After Treatment
of the Glass Fabric

Lubricant	Treatment	Limit [kg/cm ²] of					
		stress	strength	compression	strength	shear	strength
		dry	boiled	dry	boiled	dry	boiled
not elimi- nated	no one	2340-2905	1805-1820	1185-1400	615-790	97	73
eliminated	with MR2920-3315	2885-2940	1040-1180	1105-1275	95-95	80-90	
eliminated	with FR2940-3015	2300-2535	855-1040	760-795	85-90	65-95	

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Effect of the Chemical Treatment of
the Surface of Glass Fabric Upon the
Properties of Glass Textolite

85115

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B004/B056

Table 3. Strength of 911-1 With Treated Glass Fabric in Static
Bending

Lubricant	Treatment	Bending strength limit [kg/cm ²]		Percentage of resin
		dry	boiled	
not elimi- nated	no one	1665-1955	710-855	37.0
eliminated	no one	1650-1760	625-735	
not elimi- nated	with 7M	1495-1665	820-1235	37.1
eliminated	with 7M	1940-2020	945-1055	38.1
eliminated	with VR	1210-1380	905-1270	41.3

Card 5/6

15.8350

27220
S/081/61/000/014/029/030
B105/B202

AUTHOR: Avrasin Ya. D.

TITLE: Glass-reinforced textolites on the basis of polyester acrylate binders

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1961, 621, abstract 14774 (Sterekstokstolity i drugiye konstrukts. plastiki. M. Oborongiz, 1960, 11-37)

TEXT: The author describes glass-reinforced textolites of the type CT-39 (ST-39) on the basis of the polyester acrylate binder 39-35C (39-EBS) which was obtained from the products TGM-3 (TGM-3), MGF-9 (MGF-9) and the 20-25% solution of polystyrene in its monomer and the glass-reinforced texture of the type T₁ (T₁) and the glass-reinforced textolites of the types CT-911-1 (ST-911-1), CT-911-1a (ST-911-1a), CT-911-C (ST-911-S) on the basis of the binder 911-MC (911-MS). This binder is composed of the product MGF-9, TMGF-11 (TMGF-11) and of styrene for the dissolution of benzoyl peroxide. In the production of ST-911-1a or ST-911-1 the organosilicon additive MT3C (MTES) is also added to the binder. ST-911-1 is produced on the basis of

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Glass-reinforced textolites on ...

27220

S/C81/61/000/014/029/030
B105/B202

forming. The physico-mechanical properties of the glass-reinforced textolites which were produced on their basis are the following (in kg/cm^2): tearing strength 3,020, 2,800, 2,745, 2,700-3,000; modulus of elasticity 137,600, 126,000, 120,000. [Abstracter's note: Complete translation.]

Card 3/3

S/661/61/000/006/070/081
D247/D302

AUTHORS: Kiselev, B. A., Zinov'yeva, Z. A., Avrasin, Ya. D. and Davydov, P. V.

TITLE: Applying silicoorganic compounds to production of constructional glass textolite

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len. 1958. Leningrad, Izd-vo AN SSSR, 1961, 300-304

TEXT: Constructional purposes require high durability of the compounds under static bending and the dependence of this property on temperature was studied for various silico-organic compounds. Modifications of the silicones with organic resins were investigated. During the discussion in which A. Ya. Korolev (Moscow) took part, the possibilities of water repellence were mentioned. Methacryloxy- ✓

Card 1/2

KRAVCHENKO, L.I.; AVRASIN, Ya.D.; MILYAYEV, B.F.

Fiberglass plastic based on a polyester acrylate binder obtained
by vacuum forming. Plast.massy no.3:28-32 '62. (MIRA 15:4)
(Glass reinforced plastics)

L 2269-66 EPA(s)-2/EWT(m)/EPF(o)/EWP(j)/T/ETC(m) --WW/RM

ACCESSION NR: AP5022225

UR/0191/65/000/009/0025/0029

678.674:678.643'42'5.06 | 419:677.521

AUTHOR: ^{44.55} Kravchenko, L. I.; ^{44.55} Avramin, Ya. D.

TITLE: Effect of technological and other factors on the properties of ^{44.55, 15} fiberglass

SOURCE: Plasticheskiye massy, no. 9, 1965, 25-29

TOPIC TAGS: reinforced plastic, fiberglass, epoxy plastic, polyester plastic, filler

ABSTRACT: The paper discusses the effect of pressing conditions on the strength properties of glass reinforced plastics; this includes the type of polyester used for preparing the binder, the pressing temperature, heat treatment, pressure of pressing, and time spent in the press. The effect of sizing agents and emulsions used for preparing the glass braids is considered next. Other factors affecting the strength of the fiberglass-reinforced materials are the diameter of the fiberglass and the influence of mineral fillers. The corresponding findings for temperatures between 20 and 200C are tabulated. "The authors thank L.S. Krasnoyarskaya and Z. I. Bronshteyn for providing the materials for the study." Orig. art. has: 6 figures and 5 tables.

Card 1/2

L 2269-66

ACCESSION NR: AP5022225

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 002

OTHER: 006

Card

2/2

L 20380-66 EWT(m)/EWP(v)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6006546

(A)

SOURCE CODE: UR/0191/65/000/011/0043/0045

AUTHORS: Kravchenko, L. I.; Avrasin, Ya. D.

ORG: none

TITLE: Basic physicomachanical properties of the fiber-glass plastic VP-1 obtained by method of "imbibing" chopped fiber glass

SOURCE: Plasticheskiye massy, no. 11, 1965, 43-45

TOPIC TAGS: polyester, epoxy plastic, glass fiber, fiber glass, solid mechanical property, structural plastic/ VP-1 fiber glass

ABSTRACT: It was the object of this investigation to extend previously published results on the influence of various types of polyesters in polyester-epoxy binders on the properties of the latter, and also on the effect of the manufacturing method of fiber-glass plastics on their properties, as given by the authors (Plast. massy, No. 9, 25, 1965). The strength, relative viscosity, Poisson coefficient, and the effect of various solvents on the fiber-glass plastic VP-1 were determined at various temperatures. The experimental results are tabulated. The plastic was prepared by pressing together glass fiber chips with

Card 1/2

UDC: 678.06-419:677.521.01:53

L 20380-66

ACC NR: AP6006546

an epoxy-polyesteracrylate binder ¹⁵11EDSM. Prior to compression, the glass fibers ¹⁵were treated with a polyvinylacetate emulsion and were dried for 2 hours at 120C. The mechanical properties of the VP-1 plastic on the basis of the 11EDSM binder are compared with the properties of plastics obtained on the basis of polyester-maleic (DN-1) and polyesteracrylic (911MS and 712-9M) binders. It is concluded that the synthesized fiber-glass plastic VP-1 is suitable for construction and for electrochemical purposes up to a working temperature of 200C. Orig. art. has: ¹⁵6 tables.

SUB CODE: 11/ SUBM DATE: none

Card 2/2 vmb

L 13816-66 EMT(m)/EWP(v)/EWP(j)/T/ETC(m)-6 WW/RM
ACC NR: AP6002184 (15)

SOURCE CODE: UR/0191/66/000/001/0052/0056

AUTHORS: Kravchenko, L. I.; Avraam, Ya. D.

ORD: none

TITLE: Contact glass-textolite VPS-4¹⁵

SOURCE: Plasticheskiye massy, no. 1, 1966, 52-56

TOPIC TAGS: polymer, polymerization, glass cloth, glass fabric, glass fiber, fiber glass/ 11EDSM binding agent, VSh glass textolite, St911S glass textolite, VPS 2 glass textolite, FN glass textolite, ASIT glass fabric

ABSTRACT: The chemical and physical properties of the polyesteracrylate-epoxide binding agent 11EDSM and the glass-textolite VPS-4 were studied. The investigation is an extension of work previously published by the authors (Plast. massy, 9, 1965). The change in viscosity during storage, the temperature dependence of the polymerization rate, and the tensile and compression strength of the binding agent 11EDSM were determined. Thermophysical properties of the glass-textolite VPS-4 prepared from nonoriented glass fibers and binding agent 11EDSM are presented and compared with those of glass-textolites St911S, VPS-2, and FN. The experimental data and comparisons are summarized in graphs and tables (see Fig. 1). It is concluded that the glass-textolite VPS-4 may be used up to a temperature of 200C. The impregnation method of textolite formation was found to yield textolites of higher compression strength.¹⁵

Card 1/2

UDC: 678.06-419:677.521

L 13816-66

ACC NR: AP6002484

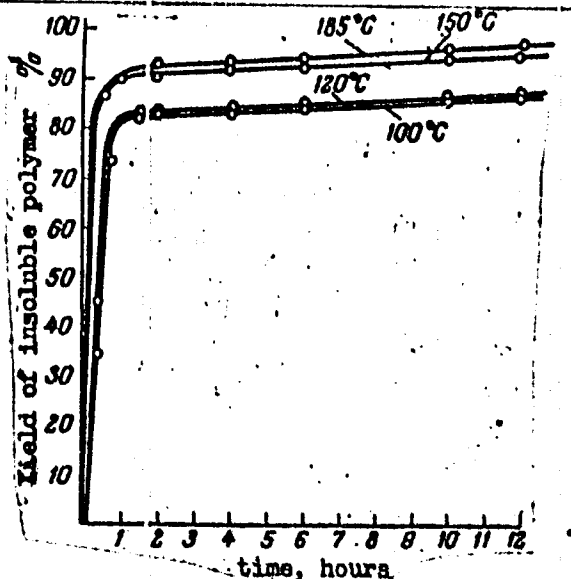


Fig. 1. Dependence of the polymerization rate of the binding agent LKDSM on the temperature.

It was also determined that the textolite VPS-4 obtained from the glass fabric ASTT and treated with a 5% solution of GVS-9 (by the method of the All-Union Scientific Research Institute of Glass Fiber) possessed higher resistance to water and a higher tensile and compression strength. Orig. art. has: 4 tables and 8 graphs.

SUB CODE: 11/

SUBM DATE: none/

ORIG REF: 004/

OTH REF: 001

Cord 2/3

L 31921-66 EWT(m)/EWP(j)/T IJP(c) WW/DJ/RM

ACC NR: AF6007967

(A)

SOURCE CODE: UR/0191/66/000/003/0028/0032

AUTHOR: Kravchenko, L. I.; Lehinov, N. S.; Avrasin, Ya. D.

ORIG: none

TITLE: Fiberglass plastic obtained from polyester epoxy binder by the contact method at normal temperature

SOURCE: Plasticheskiye massy, no. 3, 1966, 28-32

TOPIC TAGS: fiberglass, polyester plastic, cold hardening, bending strength, tensile strength, compressive stress, shear strength, elastic modulus

ABSTRACT: Fiberglass plastic (VP-1KhO) containing 60-65% resin was obtained from the polyester epoxy resin 11EDSM and benzoyl peroxide-dimethyl aniline - Co linoleate system at normal temperature and $\approx 0.5 \text{ kg/cm}^2$ pressure. The material was compressed at 3 kg/cm^2 in vacuo for 24 hr. The plastic obtained was hardened at 20-200C. Increase of the hardening temperature from 20 to 150C increased the yield of insoluble 11EDSM from 70 to 95% and the bending strength from 1860 to 2800 kg/cm^2 (Fig. 1). At 150C, the strength of the hardened plastic was highest when hardened for 12 hr. Polymerization of 11EDSM with isopropylbenzene hydroperoxide-Co linoleate or benzoyl peroxide-dimethyl aniline systems gave fiberglass plastics with inferior physical properties. The properties of VP-1KhO plastic, affected by the time and temperatures of

Cord 1/4

UDC: 678.674.06:677.521

L 31921-66

ACC NR: AF6007967

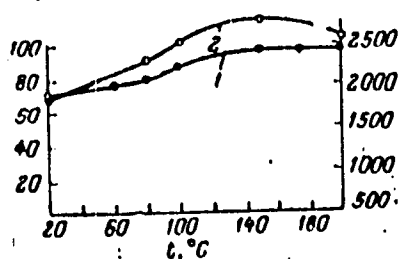


Fig. 2. 1) Yield of insoluble 11EDSM, %; 2) bending strength, kg/cm^2 . Influence of hardening temperature on yield of insoluble 11EDSM and bending strength of fiberglass plastic.

Table 3. Influence of the duration of aging at different temperatures on the mechanical properties of fiberglass plastic VP-1KhO hardened at normal temperature (60-65% of 11EDSM).

A = tensile; B = compression; C = bending; D = shearing; E = notch toughness; F = modulus of tensile elasticity; G = modulus of shearing elasticity; H = Poisson coefficient

Orig. art. has: 6 tables and 5 fig.

Cord 3/4

ACC NR: AT6034060 (A) SOURCE CODE: UR/0000/66/000/000/0370/0374

AUTHOR: Neverov, A. N.; Bocharnikov, V. K.; Zherdev, Yu. V.; Avrasin, Ya. D.

ORG: none

TITLE: Increasing the radiation resistance of glass-fabric reinforced and glass-powder-filled plastics through the use of boron-free glass

SOURCE: Simpozium po radiatsionnoy khimii polimerov. Moscow, 1964. Radiatsionnaya khimiya polimerov (Radiation chemistry of polymers); doklady simpoziuma. Moscow, Izd-vo Nauka, 1966, 370-374

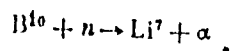
TOPIC TAGS: glass reinforced plastic, boron free glass, radiation resistance

ABSTRACT: A study has shown that the use of boron-free glass in glass-fabric-reinforced and in glass-powder-filled plastics improves their radiation resistance. Samples of organosilicon resins [unspecified] reinforced or filled with common aluminoborosilicate glass, titanium glass, or quartz-like glass were prepared, irradiated with mixed radiation from a nuclear reactor at a dose rate of about 30 Mrad/hr to integral doses of 930 and 1260 Mrad, and subjected to mechanical testing. It was found that the mechanical strength of

Cord 1/2

ACC NR: AFG034000

samples with aluminoborosilicate glass-fabric reinforcement deteriorates substantially, while that of samples with quartz-like glass fabric deteriorates to a lesser extent. Thus, after irradiation to a dose of 1260 Mrad, the bending strength drop for the above two samples was 65% and 10%, respectively. The detrimental effect of boron was attributed to the fact that resin layers adjacent to the aluminoborosilicate glass filler are subject to additional irradiation with α particles formed by the nuclear reaction



This was confirmed by electron microscopy. Orig. art. has: 2 tables and 4 figures.

SUB CODE: 11/ SUBM DATE: 25Jul66/ ATD PRESS: 5101

Card 2/2

vmb

S/191/61/000/002/006/012
B118/B203

AUTHORS: Baranovskiy, V. V., Avrasina, Ye. V.

TITLE: Getinaks made of epoxy phenol aniline formaldehyde resin

PERIODICAL: Plasticheskiye massy, no. 2, 1961, 26 - 28

TEXT: The new Getinaks (paper-filled phenol formaldehyde resin) produced by the authors is based on a combination of phenol formaldehyde resin with epoxy resin; with respect to its dielectric and mechanical characteristics, it is superior to Getinaks of the standard types. Epoxy resins were modified with phenol formaldehyde resins of various types. For the production of laboratory samples of the new Getinaks, МП-63 (IP - 63) paper was impregnated with various resins, namely with МК (IK) cresol formaldehyde resin, КАФ (KAF) cresol aniline formaldehyde resin, and ФАФ (FAF) phenol aniline formaldehyde resin. Then, these resins were modified with epoxy resins by simple mixing of varnish solutions at a certain ratio. The impregnated paper was dried in a thermostat to a content of 2-3% of volatile substances. The dried paper was pressed as usually, and

Card 1/3

S/191/61/000/002/006/012
B118/B203

Getinaks made of epoxy ...

the samples of Getinaks obtained were tested for electrical stability and dielectric losses. As to these two properties, the best Getinaks sample proved to be that of the type 3 (E) on the basis of epoxy phenol aniline formaldehyde resin. Some experimental lots of Getinaks E were produced by the "Izolit" Plant. A comparison of the properties of this product with those of Getinaks B -80 (B - 80) speaks in favor of the former. Experiments showed that its properties did not change after 40 hr storage in transformer oil medium, and that the transformer oil was not chemically affected. Diagram 2 shows the dependence of the tangent of the angle of dielectric losses on the heating time at 90°C for Getinaks E and B. Owing to its electrical properties, Getinaks E can be recommended as material for work in normally moist air, and for work in transformer oil in cases where particularly high demands are made on the dielectric properties and, especially, on the electrical stability of the material along the layers. The EFL VEI (Electrophysical Laboratory of the All-Union Electrotechnical Institute) cooperated in the investigation. There are 2 figures and 2 tables.

Card 2/3

AVIAT, Bohuslav, inz.

Automatic equipment of degasification plants. Uhli 5 no.7:250-
251 J1 '63.

1. Ustredni dilzy Ostravsko-Karvinskeho reviru, Ostrava.

AVRATINSKAYA, B. A.

Avratinskaya, B. A. "Clinic for ulcerous illness and conditions of gastric secretion for patients with gastritis attended by postcontusion syndrome," Sbornik nauch. Trudov (Rost. n/D Gos. med. in-t), Vol. VIII, 1948, p. 75-80

SO: V-2888, Letopis Zhurnal'rykh Statey, No. 1, 1949

AVRATINSKAYA, B.A. (Rostov-na-Donu).

Problem of bottling the Yessentuki mineral water (Yessentuki No.1). Klin.
med. 31 no.3:64-65 Apr '53. (MLRA 6:5)
(Mineral waters)

AVRATINSKAYA, B. A.

Avratinskaya, B. A.

"The problem of the effectiveness of using Yessentuki therapeutic spa water ('Yessentuki No 1') to treat patients with chronic gastritis coupled with secretory insufficiency and chronic colitis, and the feasibility of bottling it (clinical-experimental investigation)." Khar'kov Medical Inst. Kirov na Donu, 1956. (Dissertation for the degree of Candidate in Science)

Knizhnaya letopis
No. 15, 1956. Moscow

AVRATINSFAYA, B.A., kand.med.nauk, GRABENKO, I.K. (Rostov-na-Donu)

Use of a double-lumen duodenal sound for duodenal washings.

Klin.med. 36 no.11:130-133 N '58

(MIRA 11:12)

1. Iz fakul'tetskoy terapevticheskoy kliniki (nauchnyy rukovoditel' --
prof. I.K. Grabenko) Rostovskogo-na-Donu meditsinskogo instituta.

(DUODENUM,

intubation, double lumen sound for duodenal washings
(Rus))

GRABENKO, I.K.; MISHAYEVSKIY, M.I.; AVRATINSKAYA, E.A.

Primary benign tumor (fibromyxoma) of the heart. Ter. arkh. 35
no.7:114-115 J1'63 (MIRA 17:1)

1. Iz kafedry fakul'tetskoy terapii Rostovskogo meditsinskogo
instituta.

SHNEKL, Miroslav, AVRATCVA, Libuse

Experience with a consultation center for sterile women. Cesk.gyn.
25[39] no.3:235-237 1960.

1. I. gyn.por,klin. University v Brne, predn.prof. MUDr. L.Havlassek.
(STERILITY FEMALE hosp.& clin.)

POKORNY, J.; NOVAKOVA, M.; AVPATOVA, L.

Importance of hospitalization of pathological pregnancy in
the prevention of perinatal mortality. Cesk. gynek. 29
no.6:482-484 1g '64.

1. Gyn.-por. klin. lek. fak. University J.E. Purkyne v Brne
(vedoucí prof. dr. L. Havlasek) a Novorozen. odd. fak. nem.
krajskeho narocniho vyboru v Brne (vedoucí MUDr. M. Schnellerova).

POKORNY, J.; AVRATOVA, L.; NOVAKOVA, M.

Is induced labor a suitable intervention? *Cesk. gynec.* 29
no.6:523-524 Aug '64.

1. I. gyn.-por. klin. lek. fak. v Brne (prednosta prof. dr.
L. Havlasek [deceased]) a Novoroz. odd. fak. nem. v Brne,
(vedouci MUDr. M. Schnellerova).

POKORNY, J.; AVRATOVA, L.

Amnioscopy as an early diagnostic method of beginning fetal hypoxia in pregnancy. Cesk. gynek. 29 no.6:496-498 Ag '64.

Application of forceps and their sequelae. Ibid.:553-556

1. I. gyn.-por. klin. lek. fak. University E.V. Purkyne v Brne (prednosa prof. dr. L. Havlasek).

SCHUCK, O.; HOENIG, V.; SMAHELOVA, R.; with technical assistance of:
HOENIGOVA, J.; AVRATOVA, M.

Liver cirrhosis and the elaboration of hypertonic urine. Rev.Czech.M.
6 no.2:112-117 1960.

1. First Medical Clinic, Charles University, Prague, Director:
Prof. M. Netoušek, M.D. Institute for General and Experimental
Pathology, Prague, Director: Prof. J. Hepner, M.D.
(LIVER CIRRHOSIS urine)
(SODIUM urine)
(POTASSIUM urine)

SCHUCK, O.; HORNIG, V.; ŠMAHELOVA, R.; s technickou spoluprací HOENIGOVA, J.;
AVRATOVA, M.

Liver cirrhosis and production of hypertonic urine. Cas.lek.cesk. 99
no.7/8:241-244 1960.
(LIVER: CIRRHOSIS urine)

SENEKL, Miroslav; AVRATOVA-MAKESOVA, L.

Prevention of hemorrhage in 3d & 4th stages of labor with oxytocin.
Cesk. gyn. 23[37] no.6:452-455 Aug 58.

1. I. por. gyn. klinika MU v Brne, prednosta prof. Dr. L. Havlasek.
M. S., I. por. gyn. kl. MU, Brno.

(LABOR, hemorrh.

in 3d & 4th stages, prev., oxytocin (Cz))

(OXYTOCIN, ther. use

hemorrh., prev. in 3d & 4th stages of labor (Cz))

SENEKL, M.; AVRATOVA-MARESOVA, L.

Role of the immunobiological factor in sterility. Cesk.gyn.25
[39] no.3:230-231 1960.

1. I. gyn.por.klin. University v Brne, prednosta prof.dr. L. Havlasek.
(STERILITY FEMALE etiol.)
(BLOOD GROUPS)

L 04253-b7 EWT(m)/T DJ

ACC NR: AP6005377

(N)

SOURCE CODE: UR/0413/66/000/001/0121/0122

AUTHORS: Vul'fon, D. L.; Rubinshteyn, I. I.; Avrekh, D. E.; Val'tsis, U. A.; Korchinskiy, V. K.; Geyman, I. Ya.

38
B

ORG: none

TITLE: A continuously variable variator of the number of revolutions of an output shaft. Class 47, No. 177724. [announced by Kiev Machine Construction Plant im. M. I. Kalinin (Kiyevskiy mashinostroitel'nyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 121-122

TOPIC TAGS: bushing, shaft, speed regulator

ABSTRACT: This Author Certificate presents a continuously variable variator of the number of revolutions of an output shaft. The device contains conical sliding disks with control levers on two parallel shafts. The disks are spanned by an endless flexible traction organ, the tension of which is controlled. To reduce the dimensions of the variator without reducing the transmittable power and to increase the stability of the number of revolutions, it is equipped with an additional shaft situated between the shafts with the sliding disks and parallel to them and having a threaded stem. Rigidly attached to the additional shaft are two cams and a bushing, a control nut that rests on the bushing, and a self-stopping screw pair with a worm gear connected to the bushing by a sliding key. The control levers are

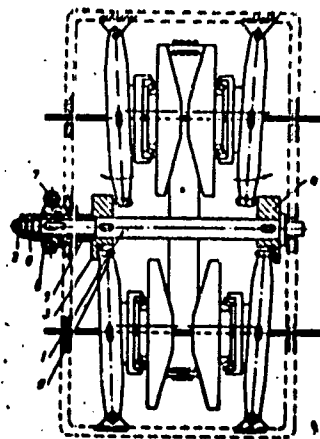
Card 1/2

UDC: 621.85--551.4

L 04255-67

ACC NR: AP6005377

Fig. 1. 1 - additional shaft; 2 - threaded stem;
3 and 4 - cams; 5 - bushing; 6 - control
nut; 7 - self-stopping screw pair;
8 - sliding key; 9 - rollers of control
levers



double-beat and armless, are equipped with rollers which interact with the cams,
and are hinged in the housing. Orig. art. has: 1 diagram.

SUB CODE: 13/ SUBM DATE: 30Nov64

Card 2/2 fv

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	
CA HYKCH, I. I. 116		PROCESSES AND PROPERTIES			
A serological analysis of ontogenesis in the bee V. V. Aytekh and K. S. Heronimus. <i>Bull. Acad. Sci. USSR Div. Biol. Sci.</i> 4, 493-5 (1937) (in English). Rabbits were immunized with antigens prepd. by mincing 4-day-old and 9-day-old larva, pupa and adult bees in 1:10 physiol. saline, allowing the suspensions to stand in the cold for 24 hrs. and filtering. The antigens were injected intra-venously in 0.5-, 0.75- and 1.0-cc. portions at 3-day intervals and the rabbits were bled 6 days after the last injection. The antisera were then set up in cross reactions as follows, with the figures representing the ratio in percentage of the heterologous to the homologous precipitin titer. With the antigens from adult bees, pupa, 9-day-old larva, 4-day-old larva, 2-day-old larva and eggs the rabbit antiserum to adult bees gave ratios of 100, 75, 40, 10, 11 and 0.75, resp., the antiserum to pupa gave ratios of 24.5, 100, 94, 25.5, 9 and 0.75, resp., the antiserum to 9-day-old larva gave ratios of 9, 55, 100, 34, 5 and 0.75, resp., and the antiserum to 4-day-old larva gave ratios of 14, 37, 24, 100, 41 and 0.75, resp.		S. A. Karjala			
ASH SCA METALLURGICAL LITERATURE CLASSIFICATION		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50			

AVREKH, V. V., KALUGINA, A. N., KHAVRIYEVICH, M. A., PROKOF'YEVA, A. V., RYBAKOVA, I. D.

"Comparative Quantitative Evaluation of Dry and Wet Dysentery Bacteriophage Preparations Under Laboratory Conditions," Zhur. Mikrob., Epidem. i Immunobiol., No.10, pp. 7-13, 1946

State Control Inst. of Vaccines and Serums im. L. A. Tarasevich

DSI 61

AVREKH, V. V., GERONIMUS, Ye. S.

"Vi and O-Antigens in Typhoid Immunity" two-part article:

- I. "Separation of Vi-Antigen from the Complete Antigens of Typhoid Bacteria," Zhur. Mikrob., Epidem. i Immunobiol., No.1, pp 33-35, 1947
- II. "Vi- and O-Antigens in Active and Passive Typhoid Immunity," Zhur. Mikrob., Epidem. i Immunobiol., No.1, pp 35-38, 1947

State Control Inst. of Vaccines and Serums im. L. A. Tarasevich

AVREKH, V. V., PRISELKOV, M. M., KALUGINA, A. N., KHAVRIYEVICH, M. A., RYBAKOVA, L. D.

"The Nature of the Changes in Dysentery Bacteriophage During Storage," Zhur. Mikrob., Epidemiol. i Immunobiol., No.1, p. 89, 1947

State Control Inst. of Vaccines and Serums im. L. A. Tarasevich

DSI 61

AVREKH, V. V.

"Study of Paratyphoid-B Bacteriophage," Zhur. Mikrob., Epidem. i Immunobiol.,
No.8, p. 92, 1953

State Control Inst. of Vaccines and Serums im. L. A. Tarasevich

AVREKH, V. V.
USSR/Medicine - Bacteriophages FD-1644

Card 1/1 : Pub. 148-24/28

Author : Avrekh, V. V.

Title : The use of bacteriophages in the diagnosis of salmonellosis

Periodical : Zhur. mikro. epid. i immun, 7, 93-98, Jul 1954

Abstract : Specific bacteriophages capable of lysing only one species of salmonella were obtained by controlled mutation supplemented by prolonged adaptation to strains of the given species on a solid nutrient medium. Bacteriophages obtained in this manner can be differentiated from one another by their antigenic structures. A detailed explanation of the experimental procedures used is given. The results of accompanying experiments are presented on five charts. No references are cited.

Institution : State Control Institute of Vaccines and Serums imeni L. A. Tarasovich (Dir. S. I. Didenko)

Submitted : April 1, 1953

Country : USSR
Category: Virology. Bacterial Viruses (Phages)
Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103491

Author : Avrekh, V.V.

Inst : -

Title : The Problem of Bacteriophage Classification

Orig Pub: Sb. Bakteriologiiya. Tbilisi, Gruzmedgiz, 1957,
197-206.

Abstract: A critical analysis is given of the significance of various properties of phages in the classification of them. It is noted that the only characteristic features for determining the phage type are its antigenic properties. It is emphasized that the concept of the phage type has nothing in common with the phago-

Card : 1/3

Country : USSR

Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, 103491

should be organized, in the author's opinion. --
Ya. I. Rautenshteyn.

Card : 3/3

AVREKH, V. V.

"On the concept "serological type" of bacteriophages."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

AVRENS, I.P.

~~unclassified~~
Effect of systematical fertilizing on changes in the properties
of turf-Podzolic soils and field crop yields. Uch. zap. Mosk.
un. no.186:63-70 '56. (MLRA 9:12)

(Podzol) (Fertilizers and manures)

AVREV, R.

"Wages in U.S.S.R. industry and its improvement, " edited by E.I. Kapustin.
Reviewed by R. Avrev. Sots. trud. no. 11:148-151 N '62. (MIRA 15:12)
(Wages) (Kapustin, E.I.)

AVREV, R.

Everything for the man and his welfare. Sots. trud 8 no.7:151-155
Jl '63. (MIRA 16:10)

M

Country : ROMANIA

Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 11, 1958, No 48918

Author : Mercuriev, C.; Salay, Ch.; Avrigeanu, Gh.;
Apetroaiei, St.

Inst : Communist Acad, RPR

Title : Preliminary Results of Experimentation on the
Irrigation Regime for Kidney Beans Grown for
Seed.

Orig Pub: Commun. Acad. RPR., 1956, 6, No 9, 1105-1109

Abstract: This article gives the 1952-1954 data of the
experimental stations of the Scientific Research
Institute for Agronomy in Moara Domneaske, Studina
and Merculesti. The number of waterings fluctuates

Card : 1/2

M-51

Country: ROMANIA
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol. No 11, 1958, No 48918

M

from 1 to 3 and their total should not exceed
2500 m³/ha. The optimum permissible soil moisture
content is 6-7% and higher. -- N.M. Saholev

Card : 2/2

TER-OSIPOVA, M.Z.; KHABAS, I.M.; ~~AVRINSKAYA, I.P.~~, direktor: PONOMAREV, A.V.,
professor, nauchnyy rukovoditel'.

Immunization of adolescents against diphtheria by a combined sub-cutaneous
and intra-nasal method under the control of the schick reaction. Zhur.mi-
krobiol.epid.i immun. no.4:14-17 Ap '53. (MLRA 6:6)

1. Leningradskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok Mi-
nisterstva zdravookhraneniya SSSR. (Diphtheria) (Vaccination)

TER-OSIPOVA, M.Z.; KHABAS, I.M.; AVRINSKAYA, I.P., direktor; PONOMAREV, A.V.,
professor, nauchnyy rukovoditel'.

Intra-nasal revaccination of children with purified diphtheria anatoxin.
Zhur.mikrobiol.epid.i immun. no.4:18 Ap '53. (MLRA 6:6)

1. Leningradskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok
Ministerstva zdoravookhraneniya SSSR. (Diphtheria) (Vaccination)

AVRINSKIY, D.P.

"Operation Schematics and Principles of New Types of Magnetic Amplifiers,"
Report submitted at the Second All-Union Conference on Automatic Control Theory,
Moscow, 1953

Sum 1467

AVRINSKIY, P.

Participation of the engineering and technical staff in the voluntary fire brigade. Gaz.prom. 5 no.11:50 N '60. (MIRA 13:11)
(Factories—Fire and fire prevention)

AVRINSKIY, P. (Moskva); BLAGODATOVA, A.

Green light for new developments. Pozh.delo 7 no.10:19 0 '61.
(MIRA 14:10)

1. Inspektor Otdela pozharney okhrany, Penza.
(Lightweight concrete)

MITTUSHKIN, I.; AVRINSKIY, P.; LUTSAN, Ye.; STRUCHKOV, A.; KOREN', L.;
SVIRIN, V., instruktor peredovykh metodov truda; YAREZCHUK, N.

We are informed... Stroitel' 8 no.5:6 My '62.
(Building—Technological innovations)

(MIRA 15:7)

AVRINSKIY, P.A.

Wood-cement concrete. Stroi.truboprov. 6 no.7:31 J1 :61.
(MIRA 14:8)

(Precast concrete)

BUBOV, V.S.; YAVOYSKIY, V.I., kandidat tekhnicheskikh nauk, retsenzent;
AVRINSKIY, P.V., inzhener, redakter.

[Using gas-pressure deadheads in steel casting] Opyt primeneniya
pribylei, rabotaiushchikh pod gazovym dayleniem na stal'nom lit'e.
Kiev, Gos. nauchno-tekhn. ind-vo mashinostroit. lit-ry, 1951. 23p.
[Microfilm] (Steel castings) (MLRA 9:6)

AVRINSKIY, I. I.

1. VASCHENKO, K. I.: AVRINSKIY, I. I.: NEBELCVOVIN, V. L.

2. USSR (600)

4. Iron founding

7. Peculiarities in casting parts from cast iron processed with magnesium.
Lit. proiz., No.10, 1952.

9. Monthly List of Russian Acquisitions, Library of Congress, February 1953, Unclassified.

AVRINSKIY, P. V.

"Casting Properties of Magnesium Inoculated Pig Iron," Cand Tech Sci.
Kiev Polytechnic Inst, Kiev, 1954. (RZhKhim, No 22, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

TSYGANENKO, G.I., AVRIISKIY, P.V., inzhener, redaktor; RUDKINSKIY, Ya.V.
tekhnicheskii ~~redaktor~~

[Method in producing irregularly shaped steel castings] Praktika
proizvodstva stal'nogo fasonnogo lit'ia. Kiev, Gos. nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1954. 38 p. (MLRA 8:8)
(Steel castings)

AVRINSKIY, P. V.

18
6
4E2C
3

Behavior of sulfur on treatment of pig iron with mag-
nesium. K. I. Vashchenko, P. V. Avrinskiy, and B. M.
Pashkovskiy. *Vysokotekhnologicheskaya Metallurgiya* (Kiev):
1954, 100-10; *Referat. Zhur., Met.* 1956, 150,
1293. — Mg can remove up to 0.4% of the S from pig iron,
but its desulfurizing action is greatly decreased at temps.
above 1450°. The sulfides form a viscous slag difficult to
sep. from the metal. The slag contains 70-85 times as
much S, 7-10 times as much Mg, and 1.1-2 times as much
Mn as does the Mg-treated iron. Inclusions in the iron
appear in the form of aggregates of Mg and Mn sulfides,
nonmetallic inclusions, and graphite. Means to prevent
inclusions after correct feeding of iron to the molds, pouring
of iron at a temp. not lower than 1700-80°, pouring of
metal without slag. On prolonged holding of liquid Mg-
iron, Mg vaporizes and graphite again becomes lamellar.

V. N. Bodnar

for RB
JMT

AVRINSKIY, P. V.

USSR/Miscellaneous-Metallurgy

Card 1/1

Author : Vashchenko, K. I., Avrinskiy, P. V., and Pashkovskiy, B. M.

Title : Removal of sulfur during magnesium treatment of cast iron

Periodical: Lit. Proizv. 1, 9 - 14, Jan-Feb 54

Abstract : The sulfur content in cast iron varies between 0.10 and 0.15% but after treatment with magnesium the sulfur content decreases to approximately 0.01 - 0.03%. Magnesium removes between 0.09 and 0.12% of sulfur, a process which requires from 0.07 to 0.09% of magnesium. When introducing magnesium into the cast iron consideration must be given to the amount of magnesium consumed for desulfurization of the cast iron. The reaction taking place in liquid cast iron during the addition of magnesium is as follows: $\text{FeS}_{\text{liq}} + \text{Mg}_{\text{gas}} = \text{Fe}_{\text{liq}} + \text{MgS}_{\text{sol}}$. The heat of formation of magnesium sulfide at 250 is 84390 $\pm$ cal. Magnesium sulfide decomposes in water and dissolves into acids. Four references. Tables, graphs, photos.

Institution:

Submitted :

VASHCHENKO, K.I.; AVRINSKIY, P.V.; FIRSTOV, A.N.; NISHLOVSKIY, V.L.;
Prinimali uchastiy: VARENIK, P. A.; YAKOVENKO, G.P.; SHEVCHUK, R.S.;
NOSOVA, Ye. M.; KUGEL', A.V.; SHTYKA, G.N.; NONDZELEVSKIY, S.P.

Vats for the fusion of caustic soda. Lit. proizv. m.6:4-6 Je '61.
(MIRA 14:6)

(Iron founding)

(Chemical engineering—Equipment and supplies)

TSIBRIK, Aleksey Nikolayovich[TSybryk, O.M.]; AVRINSKIY, P.V.
[Avryns'kyi, P.V.], dots., otv. red.; ZAVIRYUKHINA, V.M.,
red.; KODASHEVICH, O.O.[Kodashevych, O.O.], tekhn. red.

[New molding materials; theoretical and experimental investigations in the field of molding materials and the manufacture of molds for steel and iron casting]Novi formuval'ni materialy; teoretychni ta isperymental'ni doslidzhennia v haluzi formuval'nykh materialiv i tekhnologii form dlia stal'noho i chavunnoho lytva. Kyiv, Vyd-vo Akad.nauk URSR, 1962. 125 p.

(MIRA 16:3)

(Sand, Foundry) (Molding (Founding))

VASHCHENKO, K.I., doktor tekhn. nauk; AVRENSKIY, P.V., kand. tekhn. nauk;
VAREN'K, P.A., inzh.

Core mixtures prepared by the sandblast method. Mashinostroenie
no.3x20-23 My-Je '65. (MIRA 18:6)

BELYKH, B.P., dotsent; AKHLYUSTIN, V.K., dotsent; AVRINSKIY, R.B., inzh.

Conditions of safe servicing of electric equipment with a 6000 v.
potential in pits of the Korkinugol' Trust. Izv.vys.ucheb.zav.;
gor.zhur. 5 no.2:131-134 '62. (MIRA 15:4)

1. Magnotogorskiy gornometallurgicheskiy institut imeni G.I.Nosova.
Rekomendovana kafedroy avtomatizatsii proisvodstvennykh protsessov.
(Chelyabinsk: Basin--Excavating machinery--Electric driving)

AVRINSKIY, R.B., inzh.

Voltage quality in electric distribution networks. Prom. energ.
19 no.1:43-48 Ja '64. (MIRA 17:2)

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PA 50T63

USSR/Medicine - Botany
Medicine - Arctic Studies

Feb 1947

"Geographical Regularities of Plant Introduction as
Observed in the Polar Botanical Garden," F. A. Av-
robin, Kirov Stn, Kola Peninsula, Acad Sci USSR,
1 pp

"Camp Rend Acad Sci USSR" Vol IV, No 5

Polar-Alpine Botanical Garden of the Kola Branch
of Academy of Sciences of the USSR situated on the
north boundary of the Taiga Zone in the Khibiny
Mountains, near Kirovsk, Murmansk Province, Kola
Peninsula, 33° 39' E, 67° 39' N, 120 km north
of the Polar Circle. Total of 2,000 plant species

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USSR/Medicine - Botany (Contd)

Feb 1947

belonging to 70 families tested here in the open
between 1932 - 1946. Frustrification observed in
671 of these species. Plants transported from the
most distant countries found able to pass the full
life cycle and yield ripe seed under conditions of
the Kola Peninsula. List of species appended.
Submitted by V. M. Subachov, 8 Dec 1946.

50T63

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30218

O rasionalizatsii raboty pitomnikov n myetoda nabluydyeniy v botanichyeskihc
sadox. Byullyetyen' Glav. botan. sada, vyp. 3, 1949, s. 60-63

SO: LETOPIS' NO. 34

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Tasks and system of Soviet botanical gardens. Biul. Glav. bot. sada, No. 10, 1951.

SO: MLRA. December 1952.

AVRORIN, N.A.

NAZAREVSKIY, S.I.; MAKAROV, S.N.; PILIPENKO, F.S.; GERASIMOV, M.V.; IL'INSKAYA, M.L.; VEKSLER, A.I., [deceased]; VASIL'YEV, I.M.; IL'INA, N.V.; SOKOLOV, S.Ya.; LOZINA-LOZINSKAYA, A.S.; SAAKOV, S.G.; ZALESSKIY, D.M.; AVRORIN, N.A.; IVANOV, M.I.; PRIKADOV, N.V.; SOBOLEVSKAYA, K.A.; SALAMATOV, M.N.; MALINOVSKIY, P.I.; LUCHNIK, A.I.; KRAVCHENKO, O.A.; VEKHOV, N.K.; GROZDOV, B.V.; MASHKIN, S.; EOSSE, G.G.; PALIN, P.S., (g. Shuya, Ivanovskoy oblasti); MATUKHIN; ZATVARNITSKIY, G.F.; GRACHEV, N.G.; CHERKASOV, M.I.; KIRKOPULO, Ye.N.; LEVITSKAYA, A.M.; GRISHKO, N.N.; LIKHVAR', D.F. VIL'CHINSKIY, N.M.; LYPA, A.L.; OREKHOV, M.V.; SHCHERBINA, A.A.; TSYGANKOVA, V.Z.; BARANOVSKIY, A.L.; GEORGIYEVSKIY, S.D.; STEPUNIN, G.A. OZOLIN, E.P.; LUKAYTENE, M.K.; KOS, Yu.I.; VAIL'YEV, A.V.; RUKHADZE, P.Ye.; VASHADZE, V.N.; SHANIDZE, V.M.; MANDZHAVIDZE, D.V.; KORMESHKO, A.L.; KOLESNIKOV, A.I., (g. Sochi); SERGEYEV, L.I.; VOLOSHIN, M.P.; RYBIN, V.A.; IVANOVA, B.I.; RYABOVA, T.I.; GAREYEV, E.Z.; RUSANOV, F.N.; BOCHANTSEVA, Z.P.; BLINOVSKIY, K.V.; KLYSHEV, L.K.; MUSHEGYAN, A.M.; LEONOV, L.M.

Talks given by participants in the meeting. Biul.Glav.bot.sada no.15: 85-182 '53. (MLRA 9:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR (for Makarov, Pilipenko, Gerasimov, Il'inskaya, Veksler); 2. Akademiya komunal'nogo khozyaystva imeni K.D. Pamfilova for Vasil'yev); 3. Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Il'ina); 4. Botanicheskiy sad Botanicheskogo instituta imeni V.L. Komarova Akademii nauk SSSR (for Sokolov, Lozina-Lozinskaya, Saakov); 5. Botanicheskiy sad Leningradskogo (continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 2.

gosudarstvennogo ordena Lenina universiteta (for Zalesskiy); (6) Pol-yarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala imeni S.M. Kirova Akademii nauk SSSR (for Ayrorin); 7. Botanicheskiy sad pri Tomskom gosudarstvennom universiteta (for Ivanov); 8. Botanicheskiy sad pri Tomskom gosudarstvennom universiteta imeni V.V. Kuybysheva (for Prik-ladov); 9. Tsentral'nyy Sibirskiy botanicheskiy sad Zapadno-Sibirsko-go filiala Akademii nauk SSSR (for Salamatov, Sobolevskaya); 10. Bo-tanicheskiy sad Irkutsko gosudarstvennogo universiteta imeni A.A. Zhdanova (for Malinovskiy); 11. Altayskaya plodovo-yagodnaya opyt-naya stantsiya (for Luchnik); 12. Bashkirskiy botanicheskiy sad (for Kravchenko); 13. Lesostepnaya selektsionnaya opytnaya stantsiya deko-rativnykh kul'tur tresta Goszelenkhoz Ministerstva kommunal'nogo kho-zyaystva RSFSR (for Vekhov); 14. Bryanskiy lesokhozyaystvennyy insti-tut (for Grozdov); 15. Botanicheskiy sad pri Voronezhskom gosudar-stvennom universitete (for Mashkin); 16. Orekhovo-Zuyevskiy pedago-gicheskiy institut (for Bosse); 17. Botanicheskiy sad pri Rostovskom gosudarstvennom universitete imeni V.M. Molotova (for Matukhin); 18. Botanicheskiy sad Kuybyshevskogo gorodskogo otdela narodnogo obrazo-vaniya (for Zatvarnitkiy); 19. Zoobotanicheskiy sad pri Kazanskom universitete (for Grachev); 20. Gosudarstvennyy respublikanskiy proektnyy institut "Giprokommunistroy" (for Cherkasov); 21. Botani-cheskiy sad Odeskogo gosudarstvennogo universiteta imeni I.I. Mechni-kova (for Kirkopulo); 22. Botanicheskiy sad pri Dnepropetrovskom gosudarstvennom universitete (for Levitskaya); 23. Botanicheskiy sad
(continued on next card)

HAZAREVSKIY, S.L.---(continued) Card 3.

Akademii nauk USSR (for Grishko, Likhvar', Vil'chinskiy); 24. Kiyevskiy sel'skokhozyaystvennyy institut (for Lypa); 25. Botanicheskiy sad Chernovitskogo gosudarstvennogo universiteta (for Orehov); 26. Botanicheskiy sad pri L'vovskom gosudarstvennom universitete imeni Iv. Franko (for Shcherbina); 27. Botanicheskiy sad Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo (for Tsygankova); 28. Botanicheskiy sad Zhitomirskogo sel'skokhozyaystvennogo instituta (for Buranovskiy); 29. Botanicheskiy sad Akademii nauk Belorusskoy SSR (for Georgiyevskiy); 30. Institut biologii Akademii nauk Belorusskoy SSR (for Stepunin); 31. Botanicheskiy sad Akademii Litovskoy SSR (for Lukaytene); 32. Botanicheskiy sad Latviyskogo gosudarstvennogo universiteta (for Ozolin); 33. Kabardinskiy krayevedcheskiy botanicheskiy sad (for Kos); 34. Sukhumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Vasil'yev, Rukhadze); 35. Batumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Shanidze); 36. Tbilisskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Mandzhavidze); 37. Sochinskiy park Dendrariy (for Korkeshko); 38. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova (for Sergeyev, Voloshin); 39. Krymskiy filial Akademii nauk SSSR (for Rybin); 40. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR (for Ivanova); 41. Botanicheskiy sad Botanicheskogo instituta Akademii nauk Tadzhikskoy SSR (for Ryabova); 42. Botanicheskiy sad Kirgizskogo filiala Akademii nauk SSSR (for Gareyev); 43. Botanicheskiy
(continued on next card)

. NAZAREVSKIY, S.L.---(continued) Card 4.

sad Akademii nauk Usbekskoy SSR (for Rusanov, Bochantseva); 44.
Botanicheskiy sad Akademii nauk Turkmenskoy SSR (for Blinovskiy);
45. Respublikanskiy sad Akademii nauk Kazakhskoy SSR (for Klyshch, Mushegyan).

(Botanical gardens)

AYHORIN, N.A.

Acclimatization and phenology. Biol.Glav.bot.sada no.16:20-25 '53.
(MLRA 7:4)

1. Polyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala im. S.M.
Kirova Akademii nauk SSSR. (Acclimatization (Plants))
(Phenology)

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Pereseleniye rasteniy na polyarnyy sever [Dispersal of plants in the
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